

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Divisional of: Deliang Zhang
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Title : Titanium Based Composites and Coatings and Methods of Production

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Dorothy A Hauser February 11, 2004
Dorothy A Hauser Date

Docket No. : 3392-00012

PARENT APPLICATION DATA:

Appln. No. : 10/119,268
Filed : April 9, 2002
Title : Titanium Based
Composites and
Coatings and Methods
of Production
TC/A.U. : 1775
Examiner : Sperty, Arden B.

Dorothy, R. Hauser Date

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Divisional Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references listed on the enclosed PTO Form 1449 are being submitted in the above-identified patent application in accordance with 37 CFR 1.97(b)(1).

A copy of each of the listed references is enclosed in compliance with the rules.

Respectfully submitted,

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complet if Known

Application Number	
Filing Date	February 11, 2004
First Named Inventor	Deliang Zhang
Art Unit	
Examiner Name	
Attorney Docket Number	3392-00012

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO) a process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	
				Filing Date	February 11, 2004
				First Named Inventor	Deliang Zhang
				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	3392-00012

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		Gao et al, High-Temperature Oxidation Resistance of Ti ₃ AlO-Al ₂ O ₃ Composite, 2001 Joint Conference of Scenz/Feanz/EMG. 9-10 April 2001, Auckland, pp. 124-126			
		Schicker et al, Reaction Synthesized Al ₂ O ₃ -Based Intermetallic Composites, 1998 Acta Metallurgica, Inc., Vol. 46, No. 7, pp. 2485-2492, 1998			
		Bruhn et al, Novel Reaction-Based Processing of Co-Continuous Ceramic-Metal Composites, Key Engineering Materials, Vols. 127-131 (1997), pp. 73-80			
		Gaus et al, Alumina-Aluminide Alloys (3A) Technology: II, Modeling of Ti _x Al _y -Al ₂ O ₃ Composites Formation, J. Am. Ceram. Soc., 83 (7) 1606-1612 (2000)			
		Claussen et al, Reaction Sintering of Alumina-Aluminide Alloys (3A), J. Mater. Res., Vol. 11, No. 11, Nov. 1996			
		Gaus et al, Alumina-Aluminide Alloys (3A) Technology: I, Model Development, J. Am. Ceram. Soc., 83 (7) 1599-1605 (2000)			

Examiner Signature		Date Considered	
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